Panasonic



47-inch Class Weatherproof LCD Display

TH-47LFP30W

Product specification (design and specification subject to change without notice)

■ DI	CDI	۸V	DΛ	NE	

Screen Size (Diagonal)	46.9-inch (1192 mm)
Aspect ratio	16:9
Effective Display Area (W x H)	40.9" x 23.0" (1039 x 584 mm)
Number of pixels (H x V)	1920 x 1080 pixels
Brightness (in dark room)	750 cd/m (Typ)
(in daylight*1)	1000 cd/m (Max)
Contrast Ratio	1000:1
Response Time	9 ms (G to G)
Viewing Angle (Horizontal/Vertical)	178° /178°
Operating Life	approx. 50,000 hours*2

^{*1} Measured under ambient lighting of approximately 80,000 lx. LFP30 series are not allwoed to be installed with facing direct sunlight on the panel.

^{*2} An approximate time until the panel brightness decreases to half of its original value.

	IECTION TERMINAL
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■CONNECTION TERMINAL			
VIDEO IN	BNC x 1	1.0 Vp-p	(75Ω)
AUDIO IN(L/R)	RCA Pin jack x 1 set	0.5 Vrms	
COMPONENT/RGB IN	BNC x 3	G/Y	: with sync 1.0 Vp-p (75Ω)
		B/P _B /C _B	: 0.7 Vp-p (75Ω)
		R/Pr/Cr	: 0.7 Vp-p (75Ω)
AUDIO IN(L/R)	RCA Pin jack x 1 set	0.5 Vrms	
HDMI IN	HDMI TYPE A x 2		
DVI-D IN	DVI-D 24pin x 1	Compliar	nce with DVI Revision 1.0
	Content Protection	Compatil	ble with HDCP 1.1
AUDIO IN(L/R)	Stereo mini jack (M3) \times 1	0.5 Vrms	(Shared with PC IN)
PC IN	Mini D-sub 15 Pin	G	: with sync 1.0 Vp-p (75Ω)
			: without sync $0.7 \text{ Vp-p} (75\Omega)$
		В	: 0.7 Vp-p (75Ω)
		R	: 0.7 Vp-p (75Ω)
		HD/VD	: 1.0 - 5.0 Vp-p (high impedance)
AUDIO IN(L/R)	Stereo mini jack (M3) × 1	0.5 Vrms	(Shared with DVI-D IN)
SERIAL	D-sub 9 Pin x 1 (EXTERNAL CONTROL TERMIN	AL), RS-232C co	mpatible
ELECTRICAL			
Power Requirements	110-127V AC, 50Hz/60Hz		
Rated Power Consumption	300W		
On Mode Average Power Consumption*3	approx. 210W		
Power off condition	0.1W		
Stand-by condition (Winter mode : Off)	Save On 0.1W, Save Off 0.2W		
(Winter mode : On)	Backlight On 100W, Backlight Off 40W		
*3 Based on IEC 62087 Ed.2 measurement m	ethod.		
■AUDIO			
C	0.0 40M/[EM/ EM/] (400/THD)		

AGDIO	
Speaker out	8Ω, 10W [5W + 5W] (10%THD)
■MECHANICAL	
Dimensions (W x H x D)	45.8" x 27.8" x 6.3" (1162 x 706 x 158 mm)
Carton Dimensions (W x H x D)	51.7" x 31.9" x 12.1" (1312 x 809 x 305 mm)
Weight	approx. 99.2 lbs. (45.0 kg)
Gross weight	approx. 119.0 lbs. (54.0 kg)
Bezel Width	1.3" (32 mm)
Cabinet Material / Color	Aluminum / Silver
VESA mount	VESA 15.8" x 15.8" (400 x 400 mm)
■ENVIRONMENTAL	

Operating environment	Temperature	: 32°F to 104°F (0°C to 40°C), Winter mode: -4°F to 104°F (-20°C to 40°C)
	Humidity	: 20% to 90%
Storage environment	Temperature	: -4°F to 140°F (-20℃ to 60℃)
	Humidity	: 10% to 90%

EKEMOTE CONTROL TRANSMITTER	
Power Requirements	DC 3V (2 x AA Size batteries)
Weight	approx. 3.5 oz (100g) including batteries

■INCLUDED ACCESSORIES

- Operating instruction book - CD-ROM (operating instruction) - Remote control transmitter - Batteries - Power supply cord

MAIN FEATURE

Yes (x1~x4)
Yes (N x M, up to 5 x 5)
Yes
On/Off/Sensor
Yes
Landscape / Portrait

STANDARD (CERTIFICATIONS)

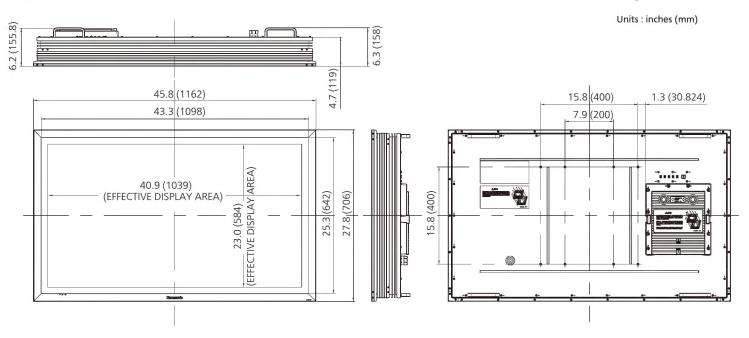
IP (Ingress Protection) Rating	IP66
SAFETY REGULATIONS	UL60950-1 Ed.2, -22, CAN/CSA-C22.2 NO. 60950-1-07, -22-07, NOM
RADIATION REGULATIONS	FCC Part 15 Class-B, ICES-003
Energy Star Displays 5.1	Yes

UPC Code

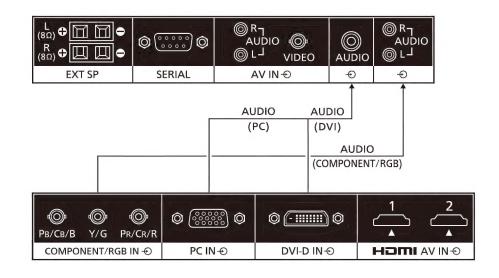
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O DIMENSIONS

Cautions: This drawing is not a scale



CONNECTION TERMINAL



APPLICABLE INPUT SIGNALS

	PPLICABLE INPUT	SIGITALS							
	Signal name	Horizontal frequency (kHz)	Vertical frequency (kHz)	VIDEO S-VIDEO	COMPONENT IN (Dotclock(MHz))	RGB IN (Dotclock(MHz))	PC IN (Dotclock(MHz))	DVI-D IN (Dotclock(MHz))	HDMI1 HDMI2
Signals	NTSC PAL	15.73 15.63	59.94 50.00	Y					
ig	PAL60	15.73	59.94 50.00	Y					
9	SECAM NTSC 4.43	15.63 15.73	59.94	Y					
Video	PAL M	15.73 15.63	59.94 50.00	Y					
Ė	525(480)/60i	15.73	59.94		Y (13.5)			Y (27.0)	Y
	525(480)/60p 625(575)/50i	31.47 15.63	59.94 50.00		Y (27.0) Y (13.5)			Y (27.0)	Υ
als	625(576)/50i 625(575)/50p	15.63 31.25	50.00 50.00		Y (27.0)			Y (27.0)	Y
Signal	625(576)/50p	31.25	50.00					Y (27.0)	Υ
T S	750(720)/60p 750(720)/50p	45.00 37.50	60.00 50.00		Y (74.25) Y (74.25)			Y (74.25) Y (74.25)	Y
Jue I	1125(1080)/60p	67.50	60.00		Y (148.5)*1			Y (148.5)	Υ
ם	1125(1080)/60i 1125(1080)/50p	33.75 56.25	60.00 50.00		Y (74.25)*1 Y (148.5)*1			Y (74.25) Y (148.5)	Y
Component	1125(1080)/50i 1125(1080)/24sF	28.13 27.00	50.00 48.00		Y (74.25)*1 Y (74.25)*2			Y (74.25)	Y
	1125(1080)/30p	33.75	30.00		Y (74.25)*1			Y (74.25)	Y
	1125(1080)/25p 1125(1080)/24p	28.13 27.00	25.00 24.00		Y (74.25)*1 Y (74.25)*1			Y (74.25) Y (74.25)	Y
	640x400@70Hz 640x400@85Hz	31.46 37.86	70.07 85.08			Y (25.17)	Y (25.17) Y (31.5)	Y (25.17)	
	640x480@60Hz	31.43	59.88			Y (31.5) Y (25.15)	Y (25.15)	Y (31.5) Y (25.15)	
	640x480@60Hz 640x480@67Hz	31.47 35.00	59.94 66.67			Y (25.18) Y (30.24)	Y (25.18) Y (30.24)	Y (25.18) Y (30.24)	Υ
	640x480@72Hz	37.86	72.81			Y (31.5)	Y (31.5)	Y (31.5)	
	640x480@75Hz 640x480@85Hz	37.50 43.27	75.00 85.01			Y (31.5) Y (36.0)	Y (31.5) Y (36.0)	Y (31.5) Y (36.0)	
	720x400@70Hz 800x600@55Hz	31.47 34.50	70.08 55.38			Y (28.32) Y (35.33)	Y (28.32) Y (35.33)	Y (28.32) Y (35.33)	
	800x600@56Hz	35.16	56.25			Y (36.0)	Y (36.0)	Y (36.0)	
	800x600@60Hz 800x600@60Hz	37.88 38.00	60.32 60.51			Y (40.0) Y (40.13)	Y (40.0) Y (40.13)	Y (40.0) Y (40.13)	Υ
	800x600@72Hz 800x600@75Hz	48.08 46.88	72.19 75.00			Y (50.0) Y (49.5)	Y (50.0) Y (49.5)	Y (50.0)	
	800x600@85Hz	53.67	85.06			Y (56.25)	Y (56.25)	Y (49.5) Y (56.25)	
	852x480@60Hz 1024x768@50Hz	31.47 39.55	59.94 50.00			Y (33.54) Y (51.89)	Y (33.54) Y (51.89)	Y (34.24) Y (51.89)	
	1024x768@60Hz 1024x768@60Hz	48.36 48.50	60.00 60.02			Y (65.0) Y (64.99)	Y (65.0) Y (64.99)	Y (65.0)	Υ
	1024x768@70Hz	56.48	70.07			Y (75.0)	Y (75.0)	Y (65.18) Y (75.0)	
	1024x768@75Hz 1024x768@75Hz	60.24 60.02	74.93 75.03			Y (80.0) Y (78.75)	Y (80.0) Y (78.75)	Y (80.0) Y (78.75)	
	1024x768@75Hz 1024x768@85Hz	61.01 68.68	75.70 85.00			Y (80.05) Y (94.5)	Y (80.05) Y (94.5)	Y (81.0) Y (94.5)	
S	1024x768@120Hz	97.55	119.99				Y (115.5)	Y (115.5)	
igi	1066x600@60Hz 1152x864@60Hz	37.64 53.70	59.94 60.00			Y (53.0) Y (81.62)	Y (53.0) Y (81.62)	Y (53.0) Y (81.62)	
PC Si	1152x864@75Hz	67.50 61.20	75.00 65.20			Y (108.0) Y (92.0)	Y (108.0) Y (92.0)	Y (108.0)	
-	1152x900@65Hz 1152x900@66Hz	61.85	66.00			Y (94.5)	Y (94.5)	Y (92.0) Y (94.5)	
	1152x900@75Hz 1280x768@60Hz	71.40 47.78	75.60 59.87			Y (105.1) Y (79.50)	Y (105.1) Y (79.50)	Y (105.1) Y (79.50)	
	1280x800@50Hz 1280x960@60Hz	41.20 60.00	50.00			Y (68.55) Y (108.0)	Y (68.55) Y (108.0)	Y (68.55) Y (108.0)	
	1280x960@85Hz	85.94	85.00			Y (148.5)	Y (148.5)	Y (108.0) Y (148.5)	
	1280x1024@50Hz 1280x1024@60Hz	52.70 63.34	50.00 59.98			Y (89.38) Y (108.18)	Y (89.38) Y (108.18)	Y (89.38) Y (108.18)	
	1280x1024@60Hz	63.90	60.00			Y (107.35)	Y (107.35)	Y (107.35)	
	1280x1024@60Hz 1280x1024@60Hz	63.37 63.74	60.01 60.02			Y (107.5) Y (108.1)	Y (107.5) Y (108.1)	Y (107.5) Y (108.1)	
	1280x1024@60Hz 1280x1024@60Hz	63.98 63.79	60.02 60.18			Y (108.0) Y (108.19)	Y (108.0) Y (108.19)	Y (108.0) Y (108.19)	Υ
	1280x1024@66Hz	70.66	66.47			Y (119.84)	Y (119.84)	Y (119.84)	
	1280x1024@75Hz 1280x1024@76Hz	79.98 81.13	75.02 76.11			Y (135.0) Y (135.0)	Y (135.0) Y (135.0)	Y (135.0) Y (135.0)	
	1280x1024@85Hz 1360x768@60Hz	91.15 47.71	85.02 60.02			Y (85.5)	Y (157.5) Y (85.5)	Y (157.5) Y (85.5)	
	1366x768@50Hz	39.55	50.00			Y (69.92)	Y (69.92)	Y (69.92)	
	1366x768@60Hz 1400x1050@60Hz	48.36 65.12	60.00 59.91			Y (86.71) Y (121.38)	Y (86.71) Y (121.38)	Y (87.44) Y (122.43)	
	1400x1050@60Hz 1400x1050@60Hz	65.32 65.35	59.98 60.12			Y (121.75) Y (121.81)	Y (121.75) Y (121.81)	Y (121.75)	
	1400x1050@75Hz	82.28	74.87			Y (156.0)	Y (156.0)	Y (121.85) Y (156.0)	
	1600x1200@60Hz 1920x1080@60Hz	75.00 67.50	60.00 60.00			Y (162.0) Y (148.5)	Y (162.0) Y (148.5)	Y (162.0) Y (148.5)	
	1920x1200@60Hz	74.04 35.00	59.95 66.67			, ,	Y (154.0) Y (30.24)	Y (154.0)	
	Macintosh13"(640x480) MacintoshLC13"(640x480)	34.97	66.60			Y (30.24) Y (31.33)	Y (31.33)	Y (30.24) Y (31.33)	
	Macintosh16"(832x624) Macintosh19"(1024x768)	49.72 60.24	74.55 75.08			Y (57.28) Y (80.0)	Y (57.28) Y (80.0)	Y (57.28) Y (80.0)	
	Macintosh19"(1024x768) Macintosh21"(1152x870)	68.68	75.06			Y (100.0)	Y (100.0)	Y (100.0)	
	Macintosh II (1280x1024)	80.00	75.00			Y (134.4)	Y (134.4)	Y (135.2)	

^{*1:}Based on SMPTE 274M standard. *2:Based on SMPTE RP211 standard.